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AMENDMENTS

Kindly amend the application as follows:

In the Claims:

Kindly amend claims 1, 2, and 6, and add new claims 7-12 as follows.

- (Three Times Amended) An isolated DNA molecule comprising at least a first and a 1. second segment, said first segment having a nucleotide sequence [comprising] corresponding to SEQ ID NO:1, and said second segment having a nucleotide sequence corresponding to SEQ. ID NO:2.
- 2. (Three Times Amended) [An] The isolated DNA molecule of claim 1, [having a nucleotide sequence comprising SEQ ID NO:1 and SEQ. ID NO:2;

wherein SEQ ID NO:1 comprises a first exon of an OCIF gene (residues 1173-1202 of SEQ ID NO:1),

wherein SEQ ID NO:2 comprises a second exon of an OCIF gene (residues 130-498 of SEQ ID NO:2), a third exon of an OCIF gene (residues 4503-4694 of SEQ ID NO:2), a fourth exon of an OCIF gene (residues 6715-6939 of SEQ ID NO:2), and a fifth exon of an OCIF gene (residues 8668-9054 of SEQ ID NO:2), and]

wherein said [OCIF gene] DNA molecule encodes a protein that inhibits differentiation or maturation of osteoclasts.

6. (Twice Amended) A method for producing the protein of claim 5, the method comprising:

inserting a DNA molecule into an expression vector, the DNA molecule comprising at least a first and a second segment, said first segment having a nucleotide sequence [comprising] corresponding to SEQ ID NO:1, and said second segment having a nucleotide sequence corresponding to SEQ. ID NO:2;

transforming a host cell with the expression vector;

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culturing the host cell such that the protein is expressed by the expression vector; and

> isolating the expressed protein, whereby the protein is expressed in culture and isolated therefrom.

- --7. (New) The DNA molecule of claim 1, wherein said first segment is upstream of said second segment.
- 8. (New) The DNA molecule of claim 1, wherein said second segment is upstream of said first segment.
- 9. (New) The DNA molecule of claim 2, wherein said first segment is upstream of said second segment.
- 10. (New) The DNA molecule of claim 2, wherein said second segment is upstream of said first segment.
- 11. (New) The method of claim 6, wherein said first segment is upstream of said second segment.
- 12. (New) The method of claim 6, wherein said second segment is upstream of said first segment .--